

REMARKS

Claims 11, 12, 14, 15 and 17 are now pending in the application. The Examiner is respectfully requested to reconsider and withdraw the rejections in view of the amendments and remarks contained herein.

DRAWINGS

The drawings stand objected to. Enclosed herewith is a request for approval of drawing changes wherein Fig. 1 is amended to change "I/J" to ink-jet. A set of formal drawings is also enclosed herewith.

SPECIFICATION

The specification stands objected to for various informalities. The above amendments address each item identified by the Examiner. That is, a cross reference to related applications is added before the first sentence of the specification and all references to specific claims are removed from the disclosure.

REJECTION UNDER 35 U.S.C. § 112

Claims 11-23 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point and distinctly claim the subject matter which Applicant regards as the invention. This rejection is respectfully traversed. Notwithstanding, Claim 11 is amended to address each item identified in the office action. Claim 12 is amended to recite "micro-dots" which also provides antecedent basis for claim 14. The claimed dots are ejected from an ink-jet head. A person of

ordinary skill would understand the size of the dots. Claims 13 and 16 are cancelled. Claim 17 is amended to refer to the "multiple dots" of claim 15.

REJECTION UNDER 35 U.S.C. § 102

Claim 11 stands rejected under 35 U.S.C. § 102(b) as being anticipated by Cozzette et al. (U.S. Pat. No. 5,200,051). This rejection is respectfully traversed.

Notwithstanding, claim 11 is amended to recite that at least one pair of the electrodes comprises a molecule recognizing film formed on the electrodes. The molecule recognizing the film absorbs aromatic molecules to change in electric impedance. A transducing element transduces the change in electric impedance into electric signals. Cozzette teaches a dispensed film. Cozzette fails to teach or suggest the claimed molecule recognizing film.

REJECTION UNDER 35 U.S.C. § 103

Claims 12-23 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Cozzette et al (U.S. Pat. No. 5,200,051). Claims 11-23 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Heller et al (U.S. Pat. No. 5,605,662) in view of Johnson (U.S. Pat. No. 4,216,245). These rejections are respectfully traversed.

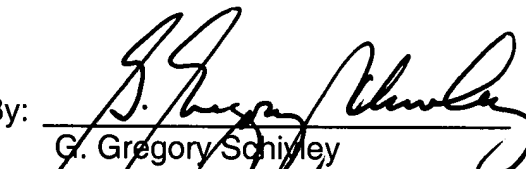
The remaining claims depend directly or indirectly from claim 11. Applicant respectfully submits that these claims are allowable for at least the same reasons as set forth above with respect to independent claim 11.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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ATTACHMENT FOR CLAIM AMENDMENTS

The following is a marked up version of each amended claim in which underlines indicates insertions and brackets indicate deletions.

11. (Amended) A sensor device comprising:

a circuit having electrodes, wherein at least one [pair] of the electrodes comprises [an organic thin a] a molecule recognizing film formed [by printing a solution of a thin film material onto a surface of the electrode] on the electrodes, the molecule recognizing film absorbing aromatic molecules to change in electric impedance in connection with absorbing the aromatic molecules inside the molecule recognizing film;
and

a transducing element [capable of transducing] to transduce the change in the electric impedance of the molecule recognizing [information recognized by the organic thin] film into electric signals, the transducing element comprising a thin-film transistor.

12. (Amended) The sensor device of claim 11 wherein the [organic thin] molecule recognizing film formed on the electrode comprises a film formed from at least one [dot] microdot ejected from an ink-jet head.

14. (Amended) The sensor device of claim 12 wherein [the dot] at least one micro-dot comprises a dot-shaped area.

15. (Amended) The sensor device of claim 11 wherein the [organic thin] molecule recognizing film formed [on the electrode] between the electrodes comprises a film formed from multiple dots.

17. (Amended) The sensor device of claim 15 wherein the multiple dots comprise [dot comprises a] dot-shaped areas [area].



FIG. 1

